

No. 706,220.

Patented Aug. 5, 1902.

F. CANFIELD.
WIRE FENCE FASTENING CLIP.

(Application filed Nov. 9, 1901.)

(No Model.)

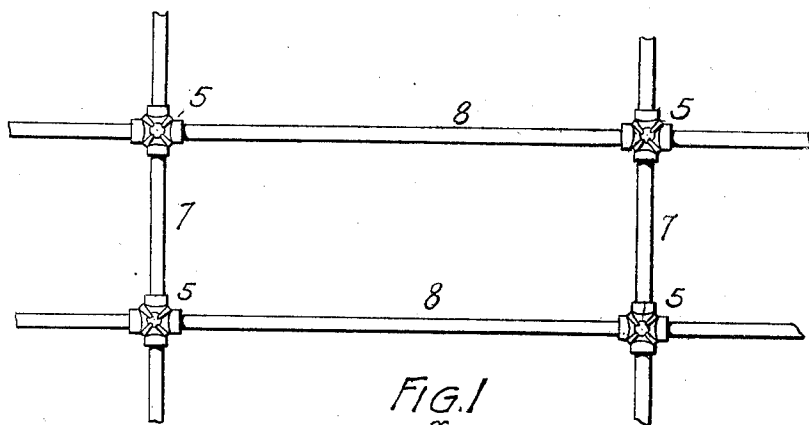


FIG. 1

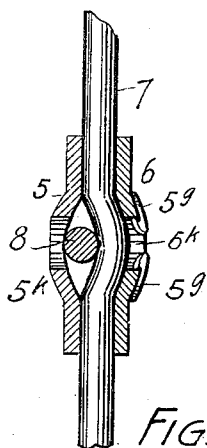


FIG. 3.

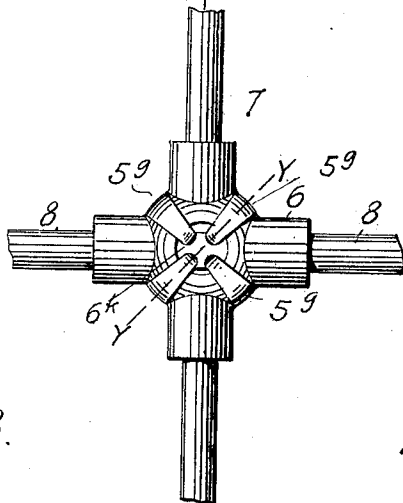


FIG. 2

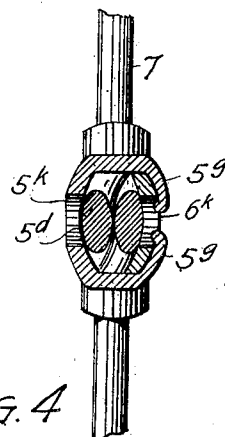


FIG. 4

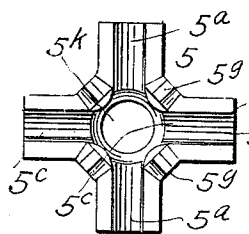


FIG. 5.

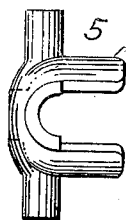


FIG. 6

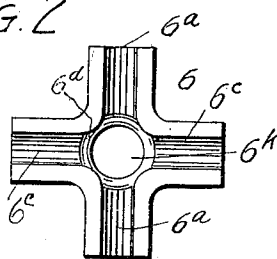


FIG. 7



FIG. 8.

WITNESSES:

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FRANK CANFIELD, OF DENVER, COLORADO, ASSIGNOR TO THE WESTERN
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WIRE-FENCE FASTENING-CLIP.

SPECIFICATION forming part of Letters Patent No. 706,220, dated August 5, 1902.

Application filed November 9, 1901. Serial No. 81,736. (No model.)

To all whom it may concern:

Be it known that I, FRANK CANFIELD, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Wire-Fence Fastening-Clips; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in fastening-clips for wire fence of the class set forth in application No. 60,597, filed May 16, 1901, for which Patent No. 686,232 issued on the 5th of November, 1901.

My present invention consists of certain novel features of construction, all of which will be fully understood by reference to the accompanying drawings, in which—

Figure 1 is a side elevation showing my improved clip in use. Fig. 2 is an elevation of a single clip applied to a wire and stay, the parts being shown on a larger scale. Figs. 3 and 4 are sections taken on the lines $x x$ and $y y$, respectively, of Fig. 2. Figs. 5 and 6 are front and side elevations, respectively, of one of the clip members. Figs. 7 and 8 are similar views of the other clip member.

The same reference characters indicate the same parts in all the views.

Let the numerals 5 and 6 respectively designate the two parts of my improved clip. The member 5 is provided with grooves or recesses 5^a and 5^c , which terminate at their inner extremities in a central portion 5^d .

This central portion is provided with an opening 5^j . There are two grooves 5^a in line with each other and two grooves 5^c in line with each other. These grooves 5^a and 5^c , as shown in the drawings, extend at right angles to each other. The member 6 is provided with similar grooves 6^a and 6^c and a central portion 6^d , in which is formed an opening 6^k . These two members are spider-shaped—that is to say, they are provided with projections extending from the central portion, where the wire and stay cross each other at right angles.

The grooves are formed in these projections. The two members are arranged to be placed together, so that their grooves 5^a and 6^a shall be in line and form a seat for the wire 8. Either set of grooves may, however, form a seat for the stay and the other set of grooves for the wire. The wire and stay cross each other in the center of the clip between the two members and hold the members apart until a tool (not shown) is applied and the members are forced together, whereby the stay and wire are bent in opposite directions toward or into the openings 5^j and 6^k , whereby the wire and stay beyond the clip occupy the same or approximately the same plane. In practice this accuracy may be observed or not, as may be desired. The bends in the wire and stay where they cross in the center of the clip lock or anchor the said parts in place and prevent movement of either when the clip members are fastened together. When the parts are assembled, the two clip members are supposed to be in contact with each other, though this is not absolutely necessary.

As shown in the drawings, the member 5 is provided with arms 5^e , adapted to embrace the member 6 and lock the two members together. The free extremities of these arms may be bent inwardly into the opening 6^k of the member 6, whereby the members are held securely in place. The arms 5^e are located between the projections of the member 5 and embrace the member 6 between its projections. As shown in the drawings, the member 6 is provided with grooves 6^j , adapted to receive the arms 6^e of the other member. The arms 5^e are of sufficient length to project beyond the member 6, so that they may be bent down thereon and into the opening 6^k to lock the members together, as aforesaid.

It must be understood that I do not limit the invention to the details of construction herein shown, as I am aware that many modifications may be employed without departing from the spirit of the invention.

Having thus described my invention, what I claim is—

1. A wire-fence clip composed of two cooperating members, each having a central part and four radial projections, the central part

having an opening, the projections of both members being provided with grooves, the members being arranged on opposite sides of the wire and stay, the grooves of the projections forming seats for the parts to be connected, and the central parts of the members being adapted to receive the opposite bends of the two parts at their intersection, the projections of the two members having faces which are oppositely located when the parts are assembled, one of the members having arms located intermediate its projections, which arms are adapted to embrace and clench upon the other member, the outer extremities of these arms being bent into the opening of the last-named member whereby the two parts are securely held together.

2. A wire-fence clip composed of two cooperating members, each member having a central part and four radial projections, the cen-

tral part of one member having an opening, and the projections of each member having grooves leading outwardly from the central portion, the two members when the parts are assembled being arranged to embrace the wire and clip from opposite sides, and provided with oppositely-located faces, one of the said members having arms located between its projections, which arms embrace and clench upon the central part of the other member, the outer extremities of the said arms being bent into the opening of the last-named member to increase their holding capacity.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK CANFIELD.

Witnesses:

DENA NELSON,
A. J. O'BRIEN.